

| Radionuclide                   | Reported Mean<br>Soil Concentration<br>pCi/gm | Navy (RESRAD)                     |                          | EPA (PRG Calculator)              |                          |
|--------------------------------|---|-----------------------------------|--------------------------|-----------------------------------|--------------------------|
|                                |   | Estimated<br>Dose Rate<br>mrem/yr | Estimated<br>Cancer Risk | Estimated<br>Dose Rate<br>mrem/yr | Estimated<br>Cancer Risk |
| <b>Survey Unit 98 Trench</b>   |   |                                   |                          |                                   |                          |
| <sup>90</sup> Sr               | 0.046   | --                                | --                       | 0.0327                            | 7.20E-07                 |
| <sup>137</sup> Cs              | 0.047   | --                                | --                       | 0.0459                            | 1.01E-06                 |
| <sup>226</sup> Ra              | 0.417   | --                                | --                       | 0.0190                            | 4.17E-07                 |
| <i>Total</i>                   |   | 7.133                             | 1.140E-04                | 0.0975                            | 2.15E-06                 |
| <b>Survey Unit 98 Backfill</b> |   |                                   |                          |                                   |                          |
| <sup>90</sup> Sr               | 0.092   | --                                | --                       | 0.0655                            | 1.44E-06                 |
| <sup>137</sup> Cs              | 0.052   | --                                | --                       | 0.0507                            | 1.12E-06                 |
| <sup>226</sup> Ra              | 0.369   | --                                | --                       | 0.0168                            | 3.69E-07                 |
| <i>Total</i>                   |   | 6.526                             | 1.037E-04                | 0.1330                            | 2.92E-06                 |

NOTE: The PRG Calculator's slope factors currently use a risk/dose coefficient of  $8.46 \times 10^{-7}$  per mrem (ref: Federal Guidance Report 13).